

Amendments to the Claim:

This listing of the claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. **(Currently Amended):** An isolated nucleic acid sequence encoding a polypeptide of SEQ ID NO:1 ~~or a polypeptide having at least 90% sequence similarity to SEQ ID NO:1 and having hydroperoxide lyase (HL) activity.~~

Claim 2 (canceled).

3. **(Previously Presented).** The isolated nucleic acid of claim 1 wherein the nucleic acid has the sequence of SEQ ID NO: 2.

Claim 4 (canceled).

5. **(Currently Amended):** A vector comprising a nucleic acid sequence encoding a polypeptide of SEQ ID NO: 1 ~~or a polypeptide having at least [[about]] 90% sequence similarity to SEQ ID NO:1 and having HL activity.~~

6. **(Currently Amended):** A host cell transformed with a vector comprising a nucleic acid sequence encoding a polypeptide of SEQ ID NO: 1 ~~or a polypeptide having at least 90% sequence similarity to SEQ ID NO: 1 and having HL activity.~~

7. **(Original):** The host cell of claim 6 wherein the host cell is *E. coli*.

Claims 8-13 (canceled).